

APRIL/MAY 2024

**FCP42/CCP43 — RELATIONAL DATABASE
MANAGEMENT SYSTEM**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is ER diagram?
2. Expand DDL, TCL.
3. Mention the different categories of SQL statements.
4. Define Functional dependency.
5. How are storage devices classified?
6. What is Entity?
7. Give the meaning of SQL.
8. What is trigger?
9. What do you mean by Exception?
10. What is Query Process?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the Advantage of ERD.

Or

- (b) What is database users and Administration?

12. (a) List out the differences between SQL and dynamic SQL.

Or

- (b) Point out the types of Relational model in DBMS.

13. (a) Explain generalisation and specialisation with examples.

Or

- (b) Specify the different types of Relationships used in DBMS.

14. (a) Explain any two types of Normalisation with an example.

Or

- (b) Write any five SQL queries with an example.

15. (a) What do you meant by time stamp? And explain it.

Or

- (b) Explain the different types of cursors.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Elaborate the characteristics of database Architecture.

17. Define (a) Data, (b) Database (c) DBMS, (d) Entity.

18. Describe the advantages and disadvantages of Normalization.

19. What are the benefits of data dictionary?

20. Explain the principles of Transaction.